AMENDMENTS TO THE CLAIMS

1. (canceled)
1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (canceled)
6. (canceled)
7. (currently amended) The embossing tool formed by the method of claim 6, An embossing tool made by the process comprising the steps of: providing a silicon substrate;
forming a first photoresist layer onto a top surface of said substrate;
exposing a portion of said photoresist layer at a plurality of locations to a
collimated image of a source of electromagnetic radiation wherein said step of exposing
further includes moving said collimated image across said photoresist layer in a 2-
dimensional raster manner at a variable speed thereby providing differing exposure
doses to said plurality of individual sites
developing said first photoresist layer thereby removing said exposed portions of
said photoresist layer and exposing a portion of said silicon substrate, said portions of
said photoresist layer not exposed to said collimated image remaining intact;
anisotropically etching said exposed portions of said silicon substrate with a first
reactive plasma for a first period of time;

etching said undeveloped photoresist portions with a second reactive plasma for
a second time to remove an incremental part of said undeveloped portion of said
photoresist layer, said second reactive plasma exposing additional portions of said
silicon substrate;
repeating said steps of etching until a plurality of etched cavities extending into
said substrate thickness are provided, wherein said cavities have one or more surfaces
comprising non-prismatic surfaces, and wherein some of said surfaces extend to
different depths into said substrate thickness;
removing remaining portions of said photoresist layer;
depositing a thin first layer comprising a metal or metals onto said silicon top
surface and onto said etched walls and bases;
depositing a thicker second metal layer over said first layer such that said etched
structures are completely filled to form a plurality of metal structures; and
removing said silicon substrate to provide an embossing tool wherein said metal
structures comprise one or more 3-dimensional projections, each of said one or more 3-
dimensional projections having one or more surfaces, wherein some of said surfaces
are non-prismatic surfaces.
8. (original) The embossing tool of claim 7, wherein said 3-dimensional projections are
wall-like or post-like or both.

- **10**. (original) The embossing tool of claim **7**, wherein some of said non-prismatic surfaces are curvilinear.
- 11. (original) The embossing tool of claim 7, wherein some of said surfaces intersect to form an edge or a corner.
- 12. (canceled)
- 13. (canceled)
- 14. (canceled)
- 15. (canceled)
- 16. (canceled)
- 17. (canceled)
- 18. (canceled)
- 19. (canceled)
- 20. (canceled)
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- 25. (canceled)
- 26. (canceled)
- 27. (canceled)
- 28. (canceled)
- 29. (canceled)
- 30. (canceled)
- 31. (canceled)
- 32. (canceled)
- 33. (canceled)